

## 3M General Offices

3M Center  
St. Paul, Minnesota 55144-1000  
612/733 1110

## Industrial Hygiene

DEC 11 1989

00-03  
168

Duns No.: 00-617-3082

MATERIAL SAFETY  
DATA SHEET**3M**

## DIVISION: PRINTING AND PUBLISHING SYSTEMS

## TRADE NAME:

VIKING DEVELOPER (NEW, IMPROVED FORMULA)

3M I.D. NUMBER: 77-9803-2153-1 77-9803-2154-9 77-9803-2155-6 77-9803-2733-0

ISSUED: AUGUST 30, 1988

SUPERSEDES: AUGUST 9, 1988

DOCUMENT: 10-3281-2

1. INGREDIENT	C.A.S. NO.	PERCENT	----- EXPOSURE		LIMITS -----	
			VALUE	UNIT	TYPE	AUTH
Water	7732-18-5	90.0 - 100.0	NONE	NONE	NONE	NONE
Benzyl Alcohol	100-51-6	1.0 - 5.0	NONE	NONE	NONE	NONE
Sodium Butylphenylsulfonate	25638-17-9	1.0 - 5.0	NONE	NONE	NONE	NONE
Ammonium Sulfite	10196-04-0	1.0 - 5.0	NONE	NONE	NONE	NONE

## SOURCE OF EXPOSURE LIMIT DATA:

- NONE: None Established

## 2. PHYSICAL DATA

BOILING POINT:..... 208 F  
VAPOR PRESSURE:..... N/D  
VAPOR DENSITY: ..... N/D  
EVAPORATION RATE:..... N/D  
SOLUBILITY IN WATER: ..... Soluble  
SP. GRAVITY:..... 1.025  
PERCENT VOLATILE: ..... 92.0 - 97.0  
VOLATILE ORGANICS: ..... 35.90 gm/l  
See Environmental Data  
pH: ..... 7.0  
VISCOSITY: ..... 1.3 cps  
APPEARANCE AND ODOR: Clear amber - Mild Soap Odor

## 3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... > 200 F TCC  
FLAMMABLE LIMITS - LEL: ..... N/D  
FLAMMABLE LIMITS - UEL: ..... N/D  
AUTOIGNITION TEMPERATURE: ... N/D  
EXTINGUISHING MEDIA:  
Use water spray, foam, dry chemical or carbon dioxide.  
SPECIAL FIRE FIGHTING PROCEDURES:  
Fire fighters should use self-contained breathing apparatus and full protective clothing.  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
None  
NFPA-HAZARD-CODES: HEALTH 1 FIRE 1 REACTIVITY 0  
UNUSUAL REACTION HAZARD: None

## 4. REACTIVITY DATA

STABILITY: Stable  
INCOMPATIBILITY - MATERIALS TO AVOID:  
None  
HAZARDOUS POLYMERIZATION: Will Not Occur  
HAZARDOUS DECOMPOSITION PRODUCTS:  
N/A

**3M General Offices**

3M Center  
St. Paul, Minnesota 55144-1000  
612/733 1110

00-03  
169

Duns No.: 00-617-3082

**MATERIAL SAFETY  
DATA SHEET**



**MSDS: VIKING DEVELOPER (NEW, IMPROVED FORMULA)  
AUGUST 30, 1988**

**PAGE: 2 of 3**

---

**5. ENVIRONMENTAL INFORMATION**

---

**SPILL RESPONSE:**

Observe precautions from other sections. For small spills, wash to sewer. For large spills collect spilled material and wash down spill area.

**RECOMMENDED DISPOSAL:**

Waste can generally be discharged to a wastewater treatment system. Since regulations vary, consult applicable regulations or authorities before disposal.

**ENVIRONMENTAL DATA:**

None; SCAQMD Rules 443 and 443.1; Nonphotochemically  
Reactive; gms VOC/L: 35.9; gms VOC/(L-Vw-Ves): 745.7;  
Manufactured after July 1, 1987

---

**6. SUGGESTED FIRST AID**

---

**EYE CONTACT:**

In case of eye contact, immediately flush eyes with plenty of water. Call a physician.

**SKIN CONTACT:**

Wash affected area with soap and water. If symptoms persist consult a physician.

**INHALATION:**

Remove person to fresh air. If symptoms persist consult a physician.

**IF SWALLOWED:**

Drink two glasses of milk or water and contact a physician.

**OTHER FIRST AID:**

NONE

---

**7. PRECAUTIONARY INFORMATION**

---

Avoid eye contact. Avoid skin contact. Wear impervious gloves (e.g. NBR), eye protection, respiratory protection (e.g. NIOSH approved organic vapor/acid gas respirator) and other protective clothing as needed to prevent contact during handling, transferring, equipment cleanups and spill cleanups. Routinely wash hands, arms, and face with soap and water after handling. Keep container closed when not in use.

---

**8. HEALTH HAZARD DATA**

---

**EYE CONTACT:** May cause eye irritation.

**SKIN CONTACT:** May cause irritation on repeated and/or prolonged contact. May cause skin sensitization in some susceptible individuals.

**3M General Offices**

3M Center  
St. Paul, Minnesota 55144-1000  
612/733 1110

00-03  
170

Duns No.: 00-617-3082

**MATERIAL SAFETY  
DATA SHEET**

**3M**

**MSDS: VIKING DEVELOPER (NEW, IMPROVED FORMULA)  
AUGUST 30, 1988**

**PAGE: 3 of 3**

---

**8. HEALTH HAZARD DATA (continued)**

---

**INHALATION:** May cause respiratory system irritation. Inhalation of sulfites can result in an asthmatic like response in susceptible individuals. Symptoms may include tightness of chest, coughing, and difficult breathing.

**INGESTION:** May cause digestive system irritation. Symptoms may include pain and vomiting. Ingestion of sulfites can cause an asthmatic like response in susceptible individuals.

---

**SECTION CHANGE DATES**

---

PHYSICAL DATA	SECTION CHANGED SINCE	AUGUST 9, 1988	ISSUE
---------------	-----------------------	----------------	-------

---

**Abbreviations: N/D - Not Determined N/A - Not Applicable**

---

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

BOE-C6-0229779